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FALCON

MONTHLY PUBLICATION FOR EMPLOYEES OF
FALCONBRIDGE NICKEL MINES LIMITED AND AFFILIATED COMPANIES



FALCONBRIDGE



FALCON

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THE COVER

In the study of his home in Onaping, Gord Kyle's amateur radio equipment provides him with an open window on the world.

He has talked with other hams inside the Arctic Circle. He has talked with U.S. naval personnel in Antarctica at the opposite pole. He was an "ear witness" to the earthquake disaster at Managua. Three times a week he sends news of home to a Canadian teacher in Ghana. And there's no long-distance charge!

Gord's hobby also prompted an idea that might save the lives of survivors of airplane crashes in isolated areas.

There's more about Gord Kyle, his hobby and his idea in our story on page four.

Snips and Clips From the Editor's Notes



For the second consecutive year, FALCON has been honored by the Industrial Accident Prevention Association of Ontario for, "excellence in communicating the safety message." Each year, IAPA and its sister associations invite entries in the annual Industrial Editors' Safety Awards competition from all of the 51,000 member firms, and present awards to the four editors whose publications best communicate the safety message. This second award is for editions of FALCON published in 1972, and is to be presented at the association's annual Safety Conference in April in Toronto.

Office Overload Managementips suggested recently that most men really need two women in their lives . . . a secretary to take everything down, and a wife to pick everything up!

A challenge has been issued, and if details can be worked out in the meantime, the 1973-74 season next winter might bring a new clash between the curling giants of the company's Sudbury Operations.

Organizers of this month's second annual Onaping Area Men's Inter-Plant Bonspiel have issued the challenge to their counterparts at the Falconbridge Curling Club. The curlers at the west end want to see the top several teams in their bonspiel play the top teams in the Falconbridge Area competition, to decide the championship for Sudbury Operations.

It has been suggested that as many as 16 rinks could take part, with the "home ice" advantage to alternate from year to year. FALCON will keep readers advised of any further developments.

Registrations are now being accepted to fill vacancies for the September term in the Falconbridge Cooperative Nursery School, now operating in the Falconbridge Public School. The school, in its second year of operation, is open to all children three and four years of age, but a child must be three before the commencement of the term for which he is enrolled.

Two sessions are held each week, from nine until 11:30 a.m. on Tuesday and Friday, and fees amount to one dollar per session. Anyone interested in registering children or seeking further information should contact Mrs. Marlene Jewell, membership chairman, at 693-5135 in Falconbridge.

The FCNS is a non-profit organization under the direction of the Day Nurseries Branch of the Ontario Ministry of Community and Social Services, and school facilities are regularly inspected by a supervisor of Day Care Centres.

Percy Westbrook, who finished 10th in last's month's Falconbridge Area Men's Inter-Plant Bonspiel, was a winner this month in the annual curling bonspiel for members of Falconbridge-Garson Branch 336 of the Royal Canadian Legion.

Members of Percy's rink that won the J.H. Franklin Trophy with 26½ points were vice Harper Morris, second Bob Barton and lead Jules Benoit. The event attracted 14 rinks this year, and was played March 24 and 25 at the Falconbridge Curling Club.

Second place went to a rink with 24½ points comprised of skip Idris Lewis, vice Ty Koskela, second Hugh MacDonald and lead Gary Quinn. Three teams locked in a tie for third place with 20 points each, and the skips threw one extra rock each to break the tie. Third prize went to Merle MacMillan, fourth to Harold Harris, and fifth prize to Harry Hodgson.

Bringing up the rear, in order of finish, were skips Frank Longe Jr. and Dave McKee with 19½ points each, Wally Teed with 15, Mac Brown and Paul Madigan with 14, Arnold Cull and Bob MacDougall with 13, and Earl Riehl and Frank Van Dooren with six points.



The champions of the bonspiel, left to right in rear, are skip Larry Wolfram, vice Roy Rutland, second Gord Tisdale and lead Don Lewis. Left to right in front are Bob Sabourin, vice Alec McDonald, second Mike Whitton and lead Ruby Gross. Bob skipped the final match for his father, Len Sabourin, who was unable to be present, and the team won second prize in the first event.

General Office Curlers Win Onaping Area Bonspiel

Larry Wolfram of the Onaping Area General Office is the new champion of the annual Onaping Area Men's Inter-Plant Bonspiel.

Larry Wagner, who skipped a rink from the Electrical Department at Strathcona Mine, won the championship in the 1972 first edition of the bonspiel, but he slipped this year to take first prize in the third event.

The worst storm of the winter struck the Sudbury Basin on Saturday, March 17, paralyzing traffic, but did nothing to dampen the enthusiasm of 124 curlers on the 31 rinks entered in the second annual edition of the bonspiel.

Larry Wolfram's rink was the only team undefeated on the weekend, and won first prize in the first event. Members of the rink were vice Roy Rutland, second Gord Tisdale and lead Don Lewis.

Second prize in the first event went to an Onaping Mine team skipped by Len Sabourin. That rink's first and only loss was in the final match with Larry Wolfram. Rink members were vice Alec McDonald, second

Mike Whitton and lead Rudy Gross.

Third prize in the first event went to a Strathcona Mine team skipped by Eric Marchbank, and fourth prize to Bert Thomson who skipped a rink from the Mechanical Department at Fecunis Lake Mine.

The other rinks defeated in the first event were skipped by employees Bill Allen, Bob Corrigan and Mike Nadon.

(See "Neilson" Page 8)

Brian Ferguson Appointed Mining Engineer

Brian Ferguson has been appointed Mining Engineer, Falconbridge Nickel Mines Limited.

The appointment was announced recently by A. R. Pasioka, Director of Mining Engineering and Research. Mr. Ferguson was formerly Operations Consultant, attached to the Corporate Controller's Department at Toronto.

Reporting to the Director of

1972 Annual Report Mailed to Shareholders

The 1972 Annual Report of Falconbridge Nickel Mines Limited, mailed to shareholders this month, presents the financial statements in a new form . . . consolidating the earnings of Falconbridge nickel and all of its subsidiary companies.

Following is the text of a news release from the company dated March 20, 1973.

Falconbridge Nickel Mines Limited today announced consolidated earnings (before extraordinary item) for 1972 of \$5,529,000 or \$1.12 per share, which compare on a restated basis with \$16,217,000 or \$3.27 per share for 1971.

The net reduction in the consolidated earnings before the extraordinary item consisted chiefly of lower earnings of the integrated nickel operations and of Wesfrob Mines Limited, partially offset by the higher earnings of Falconbridge Copper Limited.

After providing for the extraordinary item in 1972 of \$49,456,000 or \$9.99 per share, there was a loss for the year of \$43,927,000 or \$8.87 per share.

The Annual Report notes that the extraordinary item included a write-down of \$64,893,000 in the value of the nickel-iron pellet refinery complex at Sudbury.

In addition, there was a write-down of \$8,133,000 in the book value of several other projects and companies which appear unlikely to reach the production stage and for which it is doubtful that the costs will be recoverable.

Company President and

Managing Director Marsh A. Cooper said that the past year was marked by "gratifying success" with the ferronickel operation of its subsidiary company in the Dominican Republic, and "serious disappointment" with the nickel-iron pellet refinery which, after two years of intensive effort, failed to become an economic operation.

Falconbridge Dominicana, C. por A., which in 1972 became a major producer of ferronickel for world markets, delivered 38,384,000 pounds of nickel in ferronickel to Falconbridge Nickel Mines Limited which purchases and markets its production. The full production rate of 63 million pounds of nickel in ferronickel annually is expected to be achieved by this subsidiary in the second quarter of 1973.

In December, 1972, Falconbridge directors authorized the shutdown of the pellet refinery complex and the purchase . . . for \$12,400,000 payable in January, 1973 . . . of the associated sulphur recovery plant built and operated by Allied Chemical Canada, Ltd.

Falconbridge was obligated to acquire the Allied plant under the terms of an agreement between the two companies prior to the establishment of the refinery complex.

The Falconbridge Annual Report states that consideration is being given to a different process for treating pyrrhotite (iron sulphide) which would utilize a substantial part of the existing plant complex.

(See "Company" Page 5)

Mining Engineering and Research, Mr. Ferguson will participate in economic feasibility studies of new mine prospects and provide mine engineering, mine design, and planning services for developing properties.

He will assist local management by providing consultative services on various aspects of mine engineering to operations within the Falconbridge Group. He will continue to

devote part of his time during the immediate future to the completion of his present duties in the area of costing and cost control for Falcondo and for corporate headquarters.

A 1953 graduate in mining from the University of Leeds, England, Mr. Ferguson joined the Falconbridge Group in 1964, and has been associated with Sudbury Operations and with the Opemiska Division of Falconbridge Copper Limited.

With Ham Radio, It's a Local Call to Anywhere in the World

In the study of his home on Fraser Avenue in Onaping, G. J. "Gord" Kyle has an open window on the world.

As an amatuer or "ham" radio operator for the past eight years, Gord has on several occasions been an "ear witness" to many triumphs and tragedies involving individuals in some cases and whole nations in others.

A recent example was the crippling earthquake that shattered Managua, Nicaragua, temporarily destroying the city's communications with the outside world.

"Ham radio operators all over the world knew of that disaster very soon after the earthquake struck, long before the news reached outside governments or any of the news and relief agencies," Gord recalls.

He adds that for some time, ham radio contact between operators inside and outside Nicaragua provided the most efficient method of communicating news of the disaster.

"I never really became personally involved, but for days, I listened to hams working Nicaragua, relaying official and personal messages and questions for people all over the world."

A more typical example of the type of service hams frequently provide involved an application for employment in Sudbury made by a teacher then living in Ghana.

The teacher had received a letter from Sudbury advising him that his application had been accepted, and asking him to confirm his intention to accept the post offered by a certain date.

As the date approached, a work stoppage in the communications industry in Great Britain made it impossible for the teacher to get a message through to Sudbury by either telegraph or telephone.

The teacher in Ghana contacted a ham radio operator there. The ham contacted Gord in Onaping. Gord telephoned the director of education in Sudbury, and put the two men in personal contact through his radio set.

"With ham radio, it's a pretty small world," Gord comments.

One of Gord's most frequent radio contacts, for example, is

with a Canadian geologist, Dr. George A. Collins, a ham radio operator who recently moved his equipment from Zambia to Ghana, where he teaches geology at the Tarkwa School of Mines.

Dr. Collins owns a farm in the Hamilton area of southern Ontario, and Gord Kyle keeps him up to date with news from home.

Ham radio operators exchange "call cards" by mail following radio contact, and the cards serve as a record and proof of those contacts for events like local club competitions.

Gord Kyle's collection of cards originates from countries all over the world, and with many of them, he is in frequent contact.

FORMER PILOT

Gordon J. Kyle, a professional engineer, a native of Edmonton and educated at University of Alberta, is a Mine Planning Engineer in the Onaping Area. He has been employed by Falconbridge at Sudbury Operations since 1961.

Earlier, Gord served from 1952 until 1956 with Giant Yellowknife Mines Limited in the Northwest Territories, and from 1956 until 1961 with the Opemiska Division of Falconbridge Copper Limited at Chapais in northwestern Quebec.

From 1940 until 1946 he served as a Royal Canadian Air Force pilot, and before his discharge was based at Fort Nelson, British Columbia, near the border of the Northwest Territories. From that base, he flew several mercy and search and rescue missions.

As an experienced pilot, a former resident of Canada's empty expanses, and as a licenced amateur radio operator . . . Gord says he has a bee in his bonnet!

Gord followed closely the news reports of developments surrounding the recent and tragic airplane crash in the Northwest Territories in which three passengers died and pilot Martin Hartwell survived a 32-day ordeal.

Gord feels that ham radio equipment can and would prevent any similar delays in locating downed aircraft in the future, and described his plan in a



After two amateur radio operators make their first contact with one another, they exchange postcards bearing their licence call signal. The cards offer a record and proof of the contact for such things as local club contests. Gord's collection of cards is from all four corners of the world.

recent letter to Canada's Prime Minister.

Gord's letter was turned over to the Minister of National Defence and to the Aviation Safety Division of the Department of Transport, and both agencies have assured Gord his suggestion would be "seriously considered".

Gord's suggestion is that all pilots flying north of Latitude 53 be required to hold ham licences; and that all aircraft north of that latitude be required to carry portable two-way radio sets with a power source independent of the aircraft and capable of transmitting and receiving on the 20, 40 and 80-meter ham bands.

The former pilot insists that ham equipment already available is portable and light enough not to present a serious weight problem on these aircraft, and is simple enough to be operated by anyone who is old enough to tune a commercial radio or television.

Gord's argument is that with ham radio, the pilot or passengers surviving an airplane crash could be in communication, probably within minutes, with any of almost 300,000 licenced ham radio operators across Canada and the United States. Those hams in turn, would notify the nearest police, government or armed forces officials; and maintain radio contact.

This ham radio equipment, Gord adds, would be in addition to emergency locating devices now installed on these aircraft.

He points out that these emergency devices automatically transmit a "beep" signal to assist search aircraft, but that they

transmit on a very high frequency and have an effective range of only about 15 miles.

"Fifteen miles isn't much in the Canadian north where you could be 100 or more miles off course," says Gord.

He also makes the point that aircraft downed and lost for long periods of time in Canada are not always lost in the most isolated areas.

Four people left Montreal on Jan. 25 of this year in a twin-engine aircraft for a relatively routine and short flight to Val d'Or, Quebec. Trouble developed, and the aircraft has never been seen or heard from since, despite an intensive 17-day search by armed forces aircraft.

NOT EXPENSIVE

Watching Gord in action with his equipment, and sharing with him the excitement of casual conversation with an operator halfway around the world, one is surprised at how relatively inexpensive the hobby can be.

Gord Kyle paid about \$150 for his original equipment in 1965, and now has invested almost \$1,000 for a system on which he broadcasts at 300 watts. His annual licence renewal fee is just \$10.00.

Any hams in our audience who haven't yet "worked" Gord Kyle will be interested in his call signal . . . VE3 GKK at Onaping, Ontario.

He advises any readers considering the ham hobby to first contact a member of a local amateur radio club for information on training programs and licence requirements.



Welder Jean Louis Andre was kept busy for several days making modifications to the truck body and preparing it for the move underground. Here he installs "steps" with a safety tread on the truck fenders, for use by mechanics on inspections and maintenance.

Unlike Humpty Dumpty, Our Truck's Together Again

The massive new underground dump truck delivered in January to Strathcona Mine at Sudbury Operations fared a great deal better than did hapless Humpty Dumpty of nursery rhyme fame!

The new dump truck was broken down into many pieces in a very carefully planned and executed program, in order to make it fit into and around all the tight places and corners en route to the 2,900-foot level.

And once all the pieces were collected underground, all the "king's men" at Strathcona Mine did a masterful job of putting the truck together again!

The low-profile, tip-dump truck is now thought to be the largest of its type in use underground in Canada, and perhaps also in the United States.

Eventually, it will be used to haul 25-ton loads of ore a total distance of from 3,500 to 4,000 feet up a 10 per cent graded haulage ramp from production areas on the 3,100-foot level of the mine, to a dump located about 60 feet above the 2,900-foot level.

If this first machine measures up to expectations, the company may purchase one or two more of

them. The first truck is driven by a 12-cylinder diesel engine, and cost about \$90,000.

Falconbridge took delivery of the truck at Strathcona Mine on Monday, Jan. 15, and most of the first week was spent in training four operators on surface.

By the end of February, the machine had been moved into the shops, taken apart, shipped underground, re-assembled, tested in operation . . . and the collection of photos on our centre pages was completed.

Roy S. Cleland, Strathcona Mine Superintendent, told FALCON this month that the haulage ramp on which the truck is to be used to haul ore will connect the 3,100 and 3,000-foot levels with a dump about 60 feet above the 2,900-foot level; but will not be completed for about one year.

The areas from which the truck will haul the ore are not expected to be in full production before 1975.

The new truck is now being used to haul muck broken in the development of the ramp, and in this way, the machine's efficiency is being logged and assessed under actual working conditions.



Operator Marcel Fleury, in the cab, and mechanic Art White, familiarize themselves with the controls for the massive underground dump truck. Marcel was one of four mine employees trained on surface in the operation of the new truck before it was disassembled.

President Appointed To Advisory Committee

Marsh A. Cooper, President and Managing Director, Falconbridge Nickel Mines Limited, has been appointed a member of the National Advisory Committee on the Mining Industry.

The appointment of Mr. Cooper and six other new members of the 17-man committee was announced recently by the Hon. Donald S. Macdonald, Minister of Energy, Mines and Resources.

The committee was established in 1971 to promote dialogue between the federal minister and senior members of Canada's mining industry on all issues of mutual concern.

Mr. Macdonald has since commented that he has found the

committee, "extremely useful in providing insights into the impact of government policies on the mining industry and, at the same time, allowing the government to convey to industry the rationale and purpose of its policies."

ADELARD SENECHAL

Adelard Senéchal, 54, of Sudbury, a former dryman in the Falconbridge Smelter, died March 10 after a lengthy illness. Mr. Senéchal joined the company at Falconbridge in 1951, and retired in failing health in 1970. He is survived by his wife Armance, by his mother, and by three sons and three daughters.

Company Shareholders Meet April 25 in Toronto

(Continued From Page 3)

Research work on the technical and economic aspects of the proposal is under way, with modest expenditures for the program planned in 1973.

It is anticipated that at least two years will be required to establish the feasibility of the process.

Mr. Cooper stated that "a general improvement in world economies became increasingly evident during 1972, and most metal and mineral markets related to the Falconbridge group of companies reacted favorably to improved business conditions."

Against this, however, he cited unfavorable currency exchange rates, low prices for copper, increased production costs resulting from higher wage rates, and inflation in the costs of supplies, as having an adverse

effect on the year's results.

Deliveries of refined nickel by Falconbridge in 1972 at 89,665,000 pounds were the highest on record . . . four per cent above the previous year's 85,864,000 pounds.

Capital expenditure of \$36,717,000 on property, plant and equipment and on development and preproduction at the company's mines and treatment plants was down sharply from the record \$59,474,000 reported for 1971.

Expenditures on exploration and on research and development in 1972 were lower than in 1971.

The Annual Report includes a summary of the 1972 operating results of each of the subsidiary companies.

The company's annual meeting of shareholders will be held in Toronto on April 25, 1973.

Goliath Moves Underground...



IN THE PHOTO ABOVE — The box on the new truck, in the “dump” position, dwarfs Art White, a heavy equipment mechanic at Strathcona Mine. This photo was taken outside the headframe on surface, during a training period for the machine’s operators, and before it was disassembled.

AT IMMEDIATE RIGHT — Mechanic Ray Devost is at the controls, and helper Sylvester Subban guides the operator’s cab, as an overhead crane is used in the Mechanical Department shops to lift the cab off the truck body. Earlier the same day, the rear wheels were removed in the first step in disassembling the giant truck.

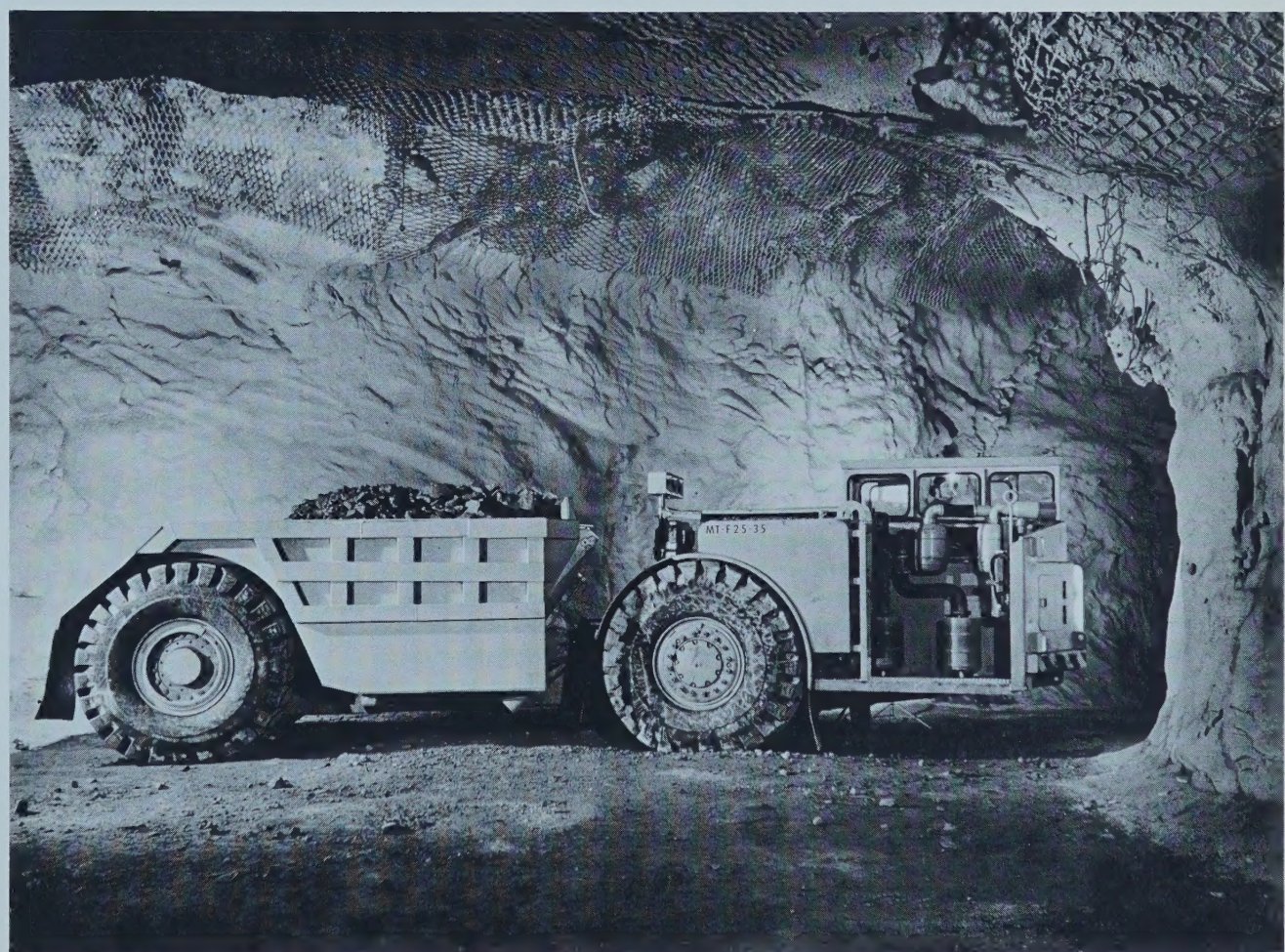
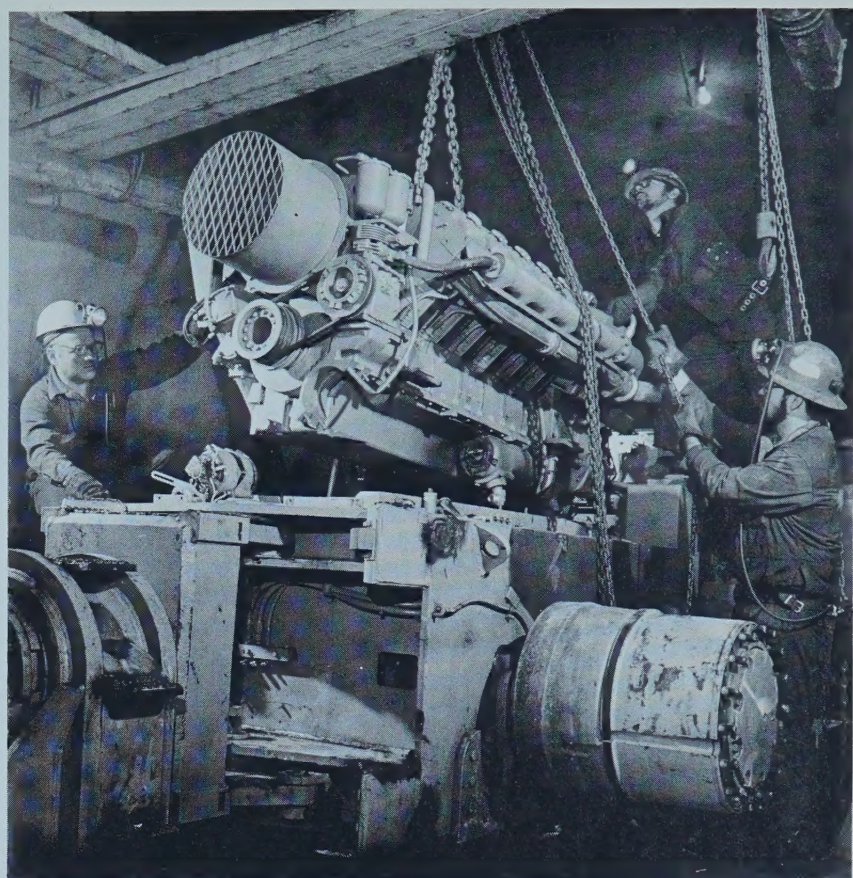
AT TOP CENTRE — Mechanics Ray Devost (at the controls) and Art White keep a watchful eye on the cargo box of the mighty dump truck, as an overhead crane lifts it off the

chassis and moves it to one side preparatory to the trip underground. Behind the machine is helper Sylvester Subban.

AT TOP RIGHT — Once they had all the pieces underground on a level intersecting the haulage ramp, Strathcona mechanics went to work putting the mighty machine back together. In our photo, the 12-cylinder diesel engine is being lowered back into position on the truck chassis. Left to right are mechanic Ray Devost, helper Pete Turgeon and mechanic Rene Landry.

AT FAR RIGHT — Back together, and ready for work in the underground environment for which it was built, the 25-ton low-profile dump truck is pictured backing into position with one of the first loads of development muck it carried to the dump from the Strathcona Mine haulage ramp.





...One Piece at a Time!



The Larry Wagner rink in rear won first prize in the third event by beating the Wayne Dane rink in front and relegating them to second prize. Left to right in rear are Larry, vice Ivan Bouchard, second Leo Bourque and lead Lawrence Thibodeau. Left to right in front are Wayne, vice Louis Pecman, second Jack Miller and lead Bruce Rhude.

Neilson, Wagner Rinks Won Second, Third Events

(Continued From Page 3)

First prize in the second event went to a rink skipped by Albert Neilson from Onaping Mine. Members of the rink were vice Al Hawes, second Don Hawes and lead Andy Philippon.

Second prize in the second event went to a foursome skipped by John Lefebvre from the Strathcona Mine Engineering Department which included vice Ed Hancharyk, second Bob Stewart and lead Bill McNeil.

In third place was Jim Hawes with a rink from the Hardy Mine Electrical Department, and in fourth place was another rink from Strathcona Engineering skipped by Gerry Martin.

Behind them in the second event came rinks skipped by employees Vic Butkevich, Don Fillmore, Jim Lanktree and Steve Lebedick.

THIRD EVENT

Vice Ivan Bouchard, second Leo Bourque and lead Lawrence Thibodeau filled out the Strathcona Electrical rink skipped by Larry Wagner which won first prize in the bonspiel's third event.

Second prize in that event

went to a Strathcona Mine rink skipped by Wayne Dane. Members were vice Louis Pecman, second Jack Miller and lead Bruce Rhude.

In the third place was John Rapsky Jr., with a rink from the Onaping Area Mechanical Department; and in fourth place was a rink skipped by Cyril Landry from Strathcona Mine.

The also-ran entries in the third event were skipped by employees Bruce Beaton, Roy Cleland, Bill Currie, Ron DeCou, Cliff Dusick, Gene Mirka, Bert Mitton, Val Rouleau, Amos Sabourin, Stan Sinclair, Art Welsh and Cliff Winn.

SHUTOUT WIN

The most lopsided victory of the bonspiel was scored by a Security Department rink skipped by Don Fillmore. The Fillmore rink lost its first and third matches in convincing fashion, but in between, the foursome defeated a rink skipped by Bruce Beaton 16-0 winning all eight ends.

Members of the Fillmore rink included vice Jack Duncan, second Pat Gougeon and lead Bill Bird.



The John Lefebvre rink at left finished second, and the Albert Neilson rink at right won first prize, in the bonspiel's second event. Front to rear at left are lead Bill McNeil, second Bob Stewart, vice Ed Hancharyk and John Lefebvre. Front to rear at right are lead Andy Phillipon, second Don Hawes, vice Al Hawes and Albert Neilson.

The first edition of this bonspiel one year ago attracted 20 rinks, drawn from employees of most of the mines, plants and offices in the Onaping Area of the company's Sudbury Operations.

The jump to 31 rinks this year follows the pattern set earlier by the Inter-Plant Bonspiel in the Falconbridge Area.

Organizers at Onaping report they are already making plans for a larger third edition of their bonspiel, to be held March 15 to 17 in 1974.

Employee members of the organizing committee are chairman Bill Allen and members Amos Sabourin, Art Gardner and Mike Nadon.



Skip Bruce Beaton needed a rest after the four members of the Security Department rink trounced his foursome 16-0 while winning all eight ends of the match. Consoling Bruce, left to right, are skip Don Fillmore, vice Jack Duncan, second Pat Gougeon and lead Bill Bird. The match was the only shutout of the bonspiel.



Pat Gougeon of the Security Department amazed little Denise Bouchard as he chewed and swallowed his way to victory in the pancake eating contest. Mrs. Connie Watkinson in our photo did the cooking.



Doris (Road Runner) Jelen and Gwen (Wile E. Coyote) Thom sported the two costumes most popular with youngsters at the parade.

Something for Everyone On Onaping Carnival Agenda

The Onaping Winter Carnival, considering the size of the Sudbury Basin Community, is probably one of the busiest winter social events in Northern Ontario.

The 1973 edition of the carnival opened on Wednesday evening, Feb. 14, and continued through Sunday evening, Feb. 18, with a long list of events and contests for residents and visitors in every age group.

Wednesday brought a gymnastics display by the townsite's school children, under the direction of Judy Severin; and on the following evening, the Onaping Community Centre was the site of a show of spring and summer fashions, organized by the ladies of the townsite.

The real fun, however, began on the Friday evening with events at the curling rink, skating rink, Legion hall and community centre. There were beer gardens operating at the Hardy Curling Club and at the Legion Hall, while jam pail curling and a mixed broomball game kept residents busy at the skating rink.

The highlight of the Friday evening, however, was the annual Onateens' Snow Queen Dance at the community centre, where Susan Doolan, 17, 5 Gill Crescent, was crowned Snow Queen.

Her first princess was Vicky Pechkoff, 16, 220 Fraser Crescent, and second princess is Donna Gordon, 13, 5 Fraser Avenue.

A pancake breakfast at the community centre preceded a parade through the townsite to the skating rink for the official opening of the carnival on Saturday.

The list of contests and games on Saturday and Sunday included three-legged races, children's skating and ski races, snowshoe golf matches, broomball and hockey games, snowmobile games, children's bingo, water boiling and log sawing contests and a tug o' war.

Prizes were also presented to winners in the parade float competition, in a beard growing contest sponsored by firemen, and for the best snow sculptures in the townsite.



Second princess Donna Gordon, left, and first princess Vicky Pechkoff, right, flank Snow Queen Susan Doolan. Donna is a student at Lindsley Public School, while Vicky and Susan attend Levack District High School.

Teachers' Industry Visit Check on Curriculum Value

Are the secondary schools providing students with the best courses of study to prepare them for working positions in business and industry?

The question is a matter of continuing concern and action for education authorities across Canada, and Falconbridge Nickel Mines Limited is one of the corporations to which they look for answers.

This month, Falconbridge was one of the 25 business firms which hosted a total of 100 secondary school guidance counsellors in the sixth annual "business experience program".

The program is conducted by The Board of Trade of Metropolitan Toronto, in co-operation with the several Toronto area Boards of Education.

This year, for most of the week of March 5, Falconbridge opened its doors in Toronto and Sudbury to four counsellors.

They were Wayne J. Hughes, Western Technical and Commercial School; Harvey Medland, Jarvis Collegiate Institute; G. R. "Geoff" Stead, George Brown College of Applied Arts and Technology; and A. H. "Bud" Walker, Sir John A. Macdonald Collegiate Institute.

All four men spent the Monday morning in the company's

Toronto corporate offices, then flew to Sudbury in the afternoon.

The men spent all day Tuesday in the Onaping Area of Sudbury Operations, touring the Strathcona Mine in the morning, and Strathcona Mill in the afternoon.

On Wednesday, in the Falconbridge Area, the morning was spent in a tour of the Falconbridge Mill and Smelter. The afternoon brought visits to the Metallurgical and Analytical Laboratories and the Exploration, General Engineering and Instrumentation Departments.

Before returning to Toronto on Thursday afternoon, the four counsellors visited and interviewed personnel in the Accounting, Purchasing and Computer Systems offices, and in the shops and offices of the Electrical and Mechanical Services.

Interviews and discussions helped the counsellors meet three of the six "aims and objectives" of the program:

To inform counsellors of the education requirements and



other job specifications of various positions in business . . . to discuss the curriculum in the secondary schools as it pertains to business requirements . . . and to improve lines of communication between counsellors and businessmen.

The three other aims and objectives of the program, as

defined by The Board of Trade of Metropolitan Toronto, are to increase the knowledge of guidance counsellors of how a business functions . . . to acquaint counsellors with the changing world of work . . . and to assist counsellors to help students to make the transition from school life to business.

Falcondo Now Major Ferronickel Producer

Falconbridge Dominicana, C. por A. (Falcondo), which became a major new producer of

ferronickel in 1972, has reported earnings of RD \$4,390,327 or RD \$2.93 per share for the seven-month period ended December 31, 1972. (RD \$1.00 equals U.S. \$1.00 at the official rate of exchange).

In its annual report to shareholders, released this month, the Dominican Republic subsidiary of Falconbridge Nickel Mines Limited (which has a 65.7 per cent interest) said that the plant's operating rate since entering commercial production has exceeded 80 per cent of its annual design capacity of 63 million pounds of nickel in ferronickel.

Full production is expected after the first quarter of 1973.

Company President Marsh A. Cooper reported that shipments of ferronickel during the past year had a total nickel content of 38,384,000 pounds.

Under the terms of the financing agreements, Falcondo production is purchased and marketed by the parent company for sale in international markets.

Mr. Cooper added that the new product is receiving "excellent acceptance" by consumers.

In a review of Falcondo's financial position, Mr. Cooper said that net value of deliveries during the preproduction period prior to June of 1972, was applied to reduce deferred project expenditures of that period.

Working capital at the end of 1972 amounted to RD \$25,852,000. Long-term debt at year-end was RD \$182,076,056.

During the year the company mined approximately 1.5 million dry short tons of ore, and at year-end 1972 had ore reserves of 70.8 million dry short tons grading 1.58 per cent nickel.

The total work force at the end of the year numbered 1,961 employees, of whom 1,827 were Dominican and 134 were expatriate personnel.

A highlight of the year was the official opening of the ferronickel complex and community facilities on June 21 by His Excellency Dr. Joaquin Balaguer, President of the Dominican Republic.



In the Accounting Department, counsellors were surprised at how much of his work Junior Accountant T. N. "Ted" Boyd accomplishes on the telephone. Left to right behind Ted are H. C. "Bud" Bilsborough, Chief Accountant for Sudbury Operations; and counsellors A. H. "Bud" Walker of Sir John A. Macdonald Collegiate Institute, Scarborough, and G. R. "Geoff" Stead of the George Brown College of Applied Arts and Technology in Toronto.

Kids Hold Halloween on Ice At NHL Winter Carnival

Scores of youngsters in the townsite at Falconbridge last month celebrated Halloween on the ice, and on the unlikely date of February 24.

The occasion was the annual costume parade at the Falconbridge Memorial Rink, one of the highlights of the annual three-day Falconbridge Winter Carnival, held to benefit the minor National Hockey League.

The program of events opened this year on the Thursday evening with a cartoon show for the children at the Falconbridge Community Centre.

On the Friday evening, there were races for all ages and a family skating party at the rink, followed by games and refreshments at the community centre.

Saturday's line-up of events included the costume parade and judging, the crowning of the Snow Queen and her Princesses, a fish pond and other games, and the wind-up dance.

This year's Snow Queen is Claire Lalonde, 13, 7 Cobalt Street. First princess is Susan Slade, 13, 121 Lindsley Drive West; and second princess is Sana O'Kane, 13, 9 Cobalt Street.

Runners up were Cathy Boyd,

14, 7 Lindsley Street, Diane Euwes, 14, 11 Morlock Street, and Jackie Boyd, 13, 3 Bennett Street.

Some of the young winners in the costume judging are pictured in our accompanying photos.

At right, left to right with judge Mrs. Millie Koskela, are trapper Dean Cluff, 11, 20B Rix Street; Jeanie "Mickey Mouse" Bilsborough, 4, 105 Lindsley Drive North; and bride Krista Buckland, 5, 110 Lindsley Drive North.

Dean's father is G. H. "Gord" Cluff, Senior Field Geologist at Sudbury Operations. Jeanie is the daughter of H. C. "Bud" Bilsborough, Chief Accountant. Krista Buckland, and her brother Erik in the photo below, are the children of G. R. "Russ" Buckland, Assistant Manager, Administrative Services.

Mrs. Myda Hodge also judged the costume parade, and is pictured below with two prize winners. They are year-old Christine Hickey, 4 MacDonnell Street, the baby in the rose garden; and lion Erik Buckland, 4. Christine's father is Neil J. Hickey, a Falconbridge Mine Captain.



Trapper Dean Cluff helped us corral Jeanie "Mickey Mouse" Bilsborough, 4, and bride Krista Buckland, 5, for this photo with judge Mrs. Millie Koskela.

Resource Studies Centre To Be Opened at Queen's

A "Centre for Resource Studies", to carry out research and analysis on important questions of Canadian resource policy, will be established at Queen's University in Kingston, Ontario.

F. F. Todd, incumbent President of the Mining Association of Canada, made the announcement on Feb. 14 in Ottawa, on the occasion of the association's 29th annual general meeting.

Joint announcements were made at the same time by the Hon. Donald S. Macdonald, Minister of Energy, Mines and Resources, and by Dr. J. J. Deutsch, Principal of Queen's University.

Mr. Todd said that basic funding for the centre will be provided by the Government of Canada and by the Canadian mining industry. Queen's University will supply the required academic capabilities and physical facilities.

Organization details are not yet completed, but it is expected that funding will be about \$250,000 annually for an initial period of five years.

The centre will be established under university procedures, and directed by a board to include representatives from the Federal Government, industry, and the university.

The studies to be carried out at the new centre will make a valuable contribution to the development of future resource policies, particularly those having a significant bearing on the husbanding of resources and on the nature and direction of mining and its related activities.

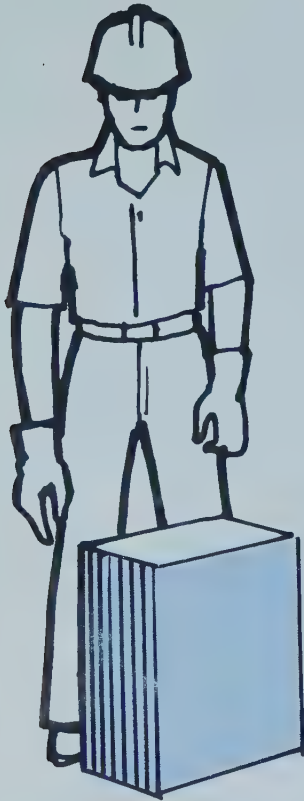
The centre will make the results of its work available to the public.

For some considerable time, it has been the feeling both of the Department of Energy, Mines and Resources and the Canadian mining industry that a great deal more interdisciplinary research is needed to measure accurately such important matters as the national impact of mining . . . its linkages to and effect on other significant sectors of the economy, on the environment, on employment in secondary manufacturing and service industries . . . its effect on regional development . . . and its effect on Canada's balance of payments.



Year-old Christine Hickey, the baby in the rose garden, and lion Erik Buckland, 4, won prizes for their costumes at the Falconbridge NHL Winter Carnival. They're pictured with judge Mrs. Myda Hodge.

LIFTING THE RIGHT WAY



SIZE UP LOAD —
GOOD BALANCE

BEND KNEES —
KEEP BACK STRAIGHT
AS POSSIBLE



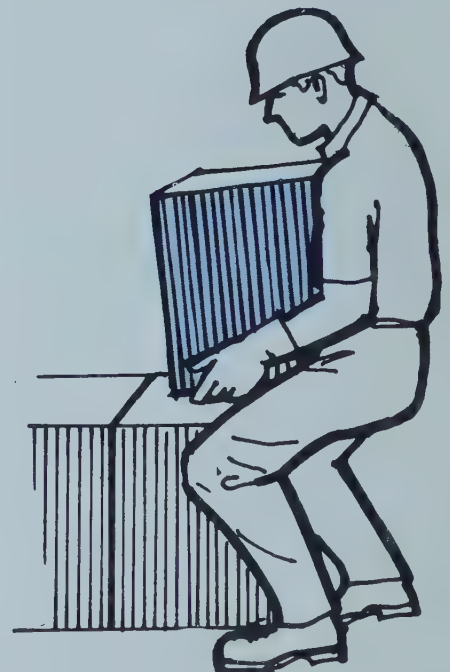
GRIP LOAD WITH
PALMS OF HANDS
AND FINGERS



USE BODY WEIGHT TO
START LOAD MOVING
THEN LIFT BY PUSHING
UP WITH LEGS



KEEP ARMS AND
ELBOWS CLOSE
TO BODY



WHEN LOWERING
LOAD — BEND KNEES —
DO NOT STOOP

IS THE SAFE WAY

AR44

Larry -



FALCONBRIDGE
NICKEL MINES LIMITED

INTERIM REPORT
TO THE
SHAREHOLDERS

SIX MONTHS ENDED JUNE 30, 1973

TO THE SHAREHOLDERS

Consolidated earnings for the first six months of 1973 were \$22,108,000 or \$4.46 per share, including an extraordinary credit of \$2,259,000 or 45 cents per share for federal income taxes arising from the write-down of assets in 1972. In the corresponding period of 1972, the re-stated consolidated earnings including a gain on sale of investments of \$2,195,000 or 44 cents per share, were \$4,071,000 or 82 cents per share.

The increase in consolidated earnings before the extraordinary item in 1973 and the gain on sale of investments in 1972 is mainly attributable to improved metal prices and the commencement of commercial production by Falconbridge Dominicana, C. por A. on June 1, 1972. The benefits resulting from the foregoing were partially offset by a continuing increase in the cost of metal production and by increases in both exploration and research and development expenses.

Deliveries of nickel and copper in the six months ended June 30, 1973 were approximately in line with production and operating inventories, with deliveries of ferronickel in particular reflecting a firm demand.

In an interim report to its shareholders, Falconbridge Dominicana, C. por A. reports continued satisfactory progress of its operations and that, in accordance with earlier predictions, rated capacity of the complex was reached and sustained during the second quarter.

Diamond drilling at the Company's Sustut copper property in British Columbia is progressing but results are not yet available. Further prospecting of claims acquired earlier this year is being undertaken.

Encouraging copper mineralization has been encountered in a number of diamond drill holes on a prospect west of Minto in the Yukon Territory. Exploration of the prospect is being undertaken as a joint venture by the Company, United Keno Hill Mines Limited and Canadian Superior Explorations Limited, which have equal interests.

The consolidated working capital of the Company and its subsidiaries increased by \$31,432,000 from the end of 1972 to \$143,713,000 at the end of June, 1973. Net expenditures of \$16,767,000 were made on property, plant, equipment, development and preproduction, representing a considerable decrease from the expenditure of \$26,489,000 in the comparable period of 1972 when the Falconbridge Dominicana complex was still in its pre-production phase.

On July 13 the Company announced an increase of 7 cents in the base price of ferronickel, to U.S. \$1.46 per pound of nickel contained, but because of outstanding contractual obligations it is not anticipated that more than minimal benefit from this price increase can be expected during the current year.

MARSH A. COOPER
President and Managing Director

Toronto, Ontario,
July 25, 1973.

FALCONBRIDGE NICKEL MINES LIMITED

and its subsidiaries

CONSOLIDATED STATEMENT OF CHANGES IN FINANCIAL POSITION

For the six months ended June 30, 1973

1973 1972
(Thousands of dollars)
(Unaudited)

SOURCE OF FUNDS:

Earnings for the period	\$ 22,108	\$ 4,071
Charges against (credits to) earnings not involving the use of (additions to) funds in the period	29,506	24,165
	51,614	28,236
Change in minority interest	7,261	(458)
	58,875	27,778

APPLICATION OF FUNDS:

Development and preproduction expenditures	8,723	16,643
Expenditures (net) on property, plant and equipment ..	8,044	9,846
Other non-current assets	3,854	858
Increase in investment in associated and other companies	75	1,626
Decrease (net) in long-term debt	6,747	(10,113)
Payment of dividends	—	4,954
	27,443	23,814

Increase in working capital during the period	\$ 31,432	\$ 3,964
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CHANGES IN COMPONENTS OF WORKING CAPITAL:

Increase (decrease) in current assets —

Cash and temporary investments thereof	\$ 1,334	\$ (11,959)
Accounts and metal settlements receivable	31,311	8,431
Inventories of metals and supplies	1,143	7,312
	33,788	3,784

Increase (decrease) in current liabilities —

Bank indebtedness	(939)	129
Other current liabilities	3,295	(309)
	2,356	(180)

Increase in working capital during the period	31,432	3,964
Working capital, beginning of period	112,281	117,067
Working capital, end of period	\$ 143,713	\$ 121,031

FALCONBRIDGE NICKEL MINES LIMITED



A Canadian company incorporated in 1928, Falconbridge is today a major producer and marketer of nickel and other metals, minerals and industrial products.

Among the products of the Falconbridge Group are nickel, copper, cobalt, gold, silver, platinum, palladium, iridium, rhodium, ruthenium, selenium, lead, iron ore, zinc, cadmium, titanium, nepheline syenite, silica, limestone aggregates, liquid sulphur dioxide, oil, natural gas, carbon and high-alloy steel castings, and other products for consumer and industrial use.

FALCONBRIDGE NICKEL MINES LIMITED

P.O. BOX 40, COMMERCE COURT WEST
TORONTO, ONTARIO, CANADA
M5L 1B4

FALCONBRIDGE NICKEL MINES LIMITED

and its subsidiaries

CONSOLIDATED STATEMENT OF EARNINGS

For the six months ended June 30, 1973

	1973	1972
	(Thousands of dollars)	(Unaudited)
Revenues	<u>\$ 198,113</u>	<u>\$ 125,992</u>
Operating Expenses:		
Costs other than the undermentioned items	104,121	78,668
Selling, general and administrative expenses	9,089	7,031
Development and preproduction expenditures written off	10,655	10,749
Depreciation and depletion	<u>15,046</u>	<u>12,411</u>
	<u>138,911</u>	<u>108,859</u>
Operating profit	<u>59,202</u>	<u>17,133</u>
Interest (net of interest income of \$1,392,000 in 1973 and \$1,010,000 in 1972) and amortization of debt expenses ..	11,943	4,902
Expenditures on exploration	5,302	3,758
Expenditures on research and process development	<u>1,537</u>	<u>1,360</u>
	<u>18,782</u>	<u>10,020</u>
Earnings before taxes and other items	<u>40,420</u>	<u>7,113</u>
Income and mining taxes —		
Current	6,355	1,848
Deferred	<u>5,931</u>	<u>941</u>
	<u>12,286</u>	<u>2,789</u>
Earnings after taxes, before other items	<u>28,134</u>	<u>4,324</u>
Income from investment in associated and other companies (including gains on sales of investments of \$2,195,000 in 1972)	<u>1,775</u>	<u>2,300</u>
Earnings before minority interest and extraordinary item	<u>29,909</u>	<u>6,624</u>
Minority shareholders' interest in earnings of subsidiary companies	<u>10,060</u>	<u>2,553</u>
Earnings before extraordinary item	<u>19,849</u>	<u>4,071</u>
Extraordinary item	<u>2,259</u>	<u>—</u>
Earnings for the period	<u>\$ 22,108</u>	<u>\$ 4,071</u>
Earnings per share:		
Before extraordinary item	<u>\$4.01</u>	<u>82¢</u>
For the period	<u>\$4.46</u>	<u>82¢</u>